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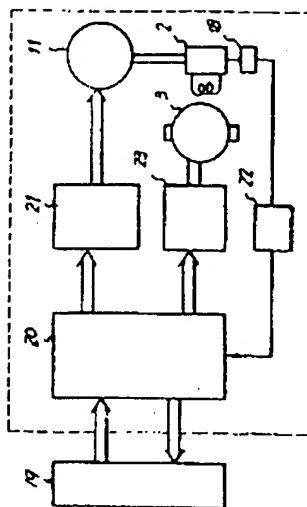
APPLICATION DATE : 22-02-85
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TITLE : RESTORING METHOD FOR BUFFER MODE



ABSTRACT : PURPOSE: To perform restoration in an extremely short time by inputting all step pulses which need to be sent by the number of all recording tracks of a disk from a host side firstly when a head is restored, and reducing the speed of a stepping motor gradually by the remaining number of tracks.

CONSTITUTION: When the host side 19 inputs, for example, 1,024 step pulses to mechanism control logic 20, the logic 20 counts the 1,024 pulses and then a magnetic head 2 input the step pulses to the stepping motor driver 21 according to a slow-up curve to drive the stepping motor 11; and the magnetic head 2 is accelerated gradually to attain access toward a O-track side at the highest speed of 1,700pps. When the magnetic head 2 approaches a track 16, the output of a photointerrupter 18 varies and is transmitted to a comparator 22, which converts it to a TTL level and inverts it, thereby sending the result to the logic 20. The feed speed of the stepping motor 11 is reduced with the signal from the comparator 22.

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